



10 January 2013

Ms. Kelly Manheimer
U.S. Environmental Protection Agency
75 Hawthorne Street
San Francisco, CA 94105

**Re: December 2012 Monthly Progress Report (electronic submittal)
North Hollywood Operable Unit, Second Interim Remedy, Groundwater Remediation Design**

Dear Ms. Manheimer:

Attached is the December 2012 monthly progress report for the North Hollywood Operable Unit (NHOU), pursuant to the Administrative Settlement Agreement and Order on Consent for Remedial Design (RD-AOC) for the North Hollywood Operable Unit (NHOU).

Please contact me at (510) 663-3996 if you have questions regarding this submittal.

Sincerely,

AMEC Environment & Infrastructure, Inc.

A handwritten signature in blue ink, appearing to read "Michael Taraszki".

Michael Taraszki, PG, CHG, PMP
Project Manager

A handwritten signature in blue ink, appearing to read "Robert Hartwell". Below the signature, the text "For Robert Hartwell with permission" is printed in a small font.

Robert Hartwell, PE
Engineering Manager

MDT/gm

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Distribution:

Ms. Carolyn Monteith (Lockheed Martin)
Mr. Benny Dehghi (Honeywell)
Mr. Vahe Dabbaghian (LADWP)
Ms. Poonam Acharya (DTSC)
Mr. Chi Diep and Susan Brownstein (CDPH)
Mr. Larry Moore (RWQCB-LA)
Mr. Richard Slade (ULARA Watermaster)
Mr. John Lindquist (CH2M Hill)

DECEMBER 2012 NHO PROGRESS REPORT

Activities Completed for the Report Period

- Continued to develop access agreements to sample and perform testing at privately owned monitoring wells:
 - Well 4909F: Vulcan Materials has not permitted access to this well, citing that it is scheduled to be destroyed and replaced with another well, although the replacement well design and schedule has not yet been provided.
 - Well 4928A: Los Angeles County refused our request to access this well or to collect a split sample (to be analyzed for all NHO COCs). LA County collected a sample on December 5 but previous samples have not been analyzed for hexavalent chromium or 1,4-dioxane.
- Finalized communication planning materials and initiated Phase 1 Pre-Design Investigation sampling and testing activities on December 3, including:
 - Collected 32 depth-discrete groundwater samples from 20 monitoring wells.
 - Measured depth to water at 56 monitoring wells.
 - Downhole electronic borehole flow meter measurements completed at wells NH-C10-280, NH-C10-360, NH-C16-320, NH-C16-390 and NH-C23-310.
 - Surveyed coordinates and top of casing elevations of 26 monitoring wells.
- Submersible pumps removed from EPA-owned wells NH-C01-450, NH-C02-325, NH-C03-380, and NH-C05-460. Attempts to remove pump from NH-C05-320 on October 24, December 4, and December 6, 2012 have not been successful and will resume in early January.
- Submersible pumps removed from LADWP-owned wells 4918A and 4909C; neither pump was operable, and LADWP has requested that AMEC install new pumps to be provided by LADWP. Discussions between AMEC and LADWP are ongoing.
- Submersible pump removed from Lockheed Martin-owned well LA1-CW05; pump will be reinstalled week of January 21, 2013.

Issues and Corrective Actions

- Submersible pump removal plan submitted by AMEC to EPA was approved by EPA on November 30. All pumps removed except from NH-C05-320, where the broken discharge line is apparently jammed such that an overshot tool (which had been effective at other wells) has been ineffective at this location. Discharge line and pump are located within the well screen, increasing the risk of retrieval efforts damaging the well. If removal efforts planned for early January are not successful, assessment will be made for continued monitored access per the pump removal plan.
- LADWP has requested that AMEC install new pumps (to be provided by LADWP) in wells 4918A and 4909C because the existing pumps were not operable. At a minimum, AMEC will require additional limits of liability from LADWP before such action occurs. Both pumps would need to be removed to perform the second semi-annual Phase 1 Pre-Design Investigation, so our preference would be that new pumps not be installed until thereafter, if possible.
- Los Angeles County has denied our requests to access well 4928A or to allow collection of a split sample so that all NHO COCs (including hexavalent chromium and 1,4-dioxane) could be evaluated. EPA has been notified previously and we understand EPA intends to contact LA County to discuss the situation and allow samples to be collected or require that samples be analyzed for additional compounds.

Ms. Kelly Manheimer
Monthly Status Report – NHO Second Interim Remedy
10 January 2013

- On September 21, 2012, Vulcan Materials denied our August 6, 2012 request to sample well 4909F and requested that we wait for its replacement well to be installed and sample it instead. AMEC has since made requests for the replacement well design and installation schedule but have not been provided with either as of January 8, 2013. AMEC will review the situation with EPA to develop an appropriate corrective action.
- Pneumatic slug testing at several wells on hold due to insufficient casing exposed at surface to properly connect slug test manifold. Testing will resume in January 2013 pending development of alternative manifold (potentially including an inflatable packer).

Anticipated Activities for the Next Six Weeks

- Receive Final EPA comments on the Phase 1 Pre-Design Investigation Work Plan (conditionally approved by EPA on September 19).
- Remove submersible pump from EPA-owned monitoring well NH-C05-320 and complete Phase 1 Pre-Design Investigation scope items at this location.
- Complete the first semi-annual event of the Phase 1 Pre-Design Investigation, pending completion of access agreements.
- Reinstall submersible pump at LA1-CW05.
- Submit final analytical laboratory data reports to the EPA pursuant to AOC requirements and to the LADWP pursuant to our access agreement.
- Attend a meeting with EPA and LADWP to be scheduled by EPA to discuss the Groundwater Management Plan.

Unresolved Issues/Potential Impacts to Schedule/Work Plan

- Access agreements to private well owners' properties may require EPA assistance to ensure groundwater monitoring data are obtained from monitoring wells included in the Phase 1 Pre-Design Investigation Work Plan. Delays in establishing access agreements may result in revision of the schedule for groundwater monitoring and/or drilling. EPA support will be requested if required.
- Removal of submersible pumps from EPA-owned monitoring wells and development of communication plan took longer than expected; Phase 1 Pre-Design Investigation field schedule has been revised accordingly.